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Substitute for form 1449/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		<h3 style="text-align: center;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td></td> </tr> <tr> <td>Filing Date</td> <td></td> </tr> <tr> <td>First Named Inventor</td> <td>PLESKACH</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>7162-111</td> </tr> </table>		Application Number		Filing Date		First Named Inventor	PLESKACH	Art Unit		Examiner Name		Attorney Docket Number	7162-111
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First Named Inventor	PLESKACH														
Art Unit															
Examiner Name															
Attorney Docket Number	7162-111														
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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PL		US- 6,314,554	10/19/71	Shield, et al.	
		US- 5,070,317	12/3/91	Bhagat	
		US- 5,781,091	7/14/98	Korne, et al.	
		US- 6,054,914	4/25/00	Abel, et al.	
		US- 6,198,374	3/6/01	Abel	
		US- 6,249,039	6/19/01	Harvey, et al.	
		US- 6,094,123	7/25/00	Roy	
		US- 6,292,084	9/18/01	Choi, et al.	
		US- 6,303,971	10/16/01	Rhee	
		US- 6,445,271	9/3/02	Johnson	
		US- 6,498,557	12/24/02	Johnson	
		US- 6,535,098	3/18/03	Yeo, et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

Examiner Signature	Date Considered	6/15/05
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Complete if Known

Application Number	10/657,054
Filing Date	Sept. 5, 2003
First Named Inventor	PLESKACH
Art Unit	3677
Examiner Name	
Attorney Docket Number	7162-0111

U. S. PATENT DOCUMENTS

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Application Number	10/657,054
Filing Date	Sept 5, 2003
First Named Inventor	PLESKACH
Art Unit	3729
Examiner Name	
Attorney Docket Number	7162-0111

U. S. PATENT DOCUMENTS

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**Examiner
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Date Considered

6/15/85

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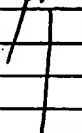
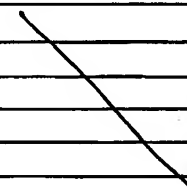
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Sheet 1 of 3

Complete if Known

Application Number	10/657,054
Filing Date	Sept. 5, 2003
First Named Inventor	PLESKACH
Art Unit	3729
Examiner Name	KIM, Paul
Attorney Docket Number	7162-0111

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PK		US- 3,581,243	05/25/1971	ALFORD	
		US- 5,714,112	02/03/1998	HAZEYAMA, et al.	
		US- 3,681,716	08/01/1972	CHIRON, et al.	
		US- 4,638,271	01/20/1987	JECKO, et al.	
		US- 4,967,171	10/30/1990	BAN, et al	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
PK 		JP 2000307362	11/02/2000	MITSUBISHI ELEC		
		JP 10/190321	07/21/1998	NEC CORP		
		JP 56-123102	09/28/1981	MITSUBISHI ELEC		
		JP 05-211402	08/20/1983	FURUKAWA ELEC		
		JP 07-015218	01/17/1995	FUJI ELEC		
		JP 08-154006	06/11/1996	MURATA MFG		

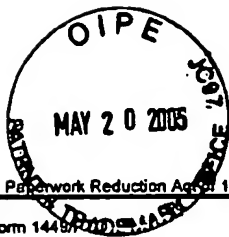
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Sheet

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of

3

Application Number

10/657,054

Filing Date

Sept. 5, 2003

First Named Inventor

PLESKACH

Art Unit

3927

Examiner Name

KIM, Paul

Attorney Docket Number

7162-0111

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PK		ITOH, T.; et al: "Metamaterials Structures, Phenomena and Applications" IEEE Transactions on Microwave Theory and Techniques; April, 2005;	
		[Online] Retrieved from the Internet: URL:www.mtt.org/publications/Transactions/CFP_Metamaterials.pdf>	
		KIZILTAS, G.; et al: "Metamaterial design via the density method" IEEE Antennas and Propagation Society Int'l Symposium 2002, vol. 1, 16 June 2002 pp 748-751, Piscataway	
		SALAHUN, E.; et al: "Ferromagnetic composite-based and magnetically-tunable microwave devices" IEEE MTT-S Microwave Symposium Digest, Vol. 2, 2 Jun 2002 pp1185-1188	

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